

WAVV Agenda



Chattanooga TN
April 7 – 11, 2006

WAVV Committee

Requirements:

Karl DeVore, Lake County
Ellen Alexander, School Dist of Lee County
Ron Campbell, IBM Canada
Tony Thigpen, Thigpen Enterprises, Inc.
Dennie Long, Waukeska Health System

User Groups:

Ron Campbell, IBM Canada
Pete Clark, CPR Systems

Vendor Relations:

Pete Clark, CPR Systems

IBM Representatives:

Alan Altmark
Jerry Johnston

CICS:

Karl DeVore, Lake County
Ken Ripple, ADI
Dave Stuart, County of Ventura

Data Management:

Juan Alegria, CSI International
Billy Bingham, Baer Consulting
Dan Janda
Keith Johnson, CSI International

e-Business and Multi-Platform Computing:

John Lawson, illustro Systems

Futures / Directions:

Eric Vaughan, illustro Systems
Rich Smrcina, VM Assist

Hardware:

Archie Harris, Mainframe Solutions
Aubrey Hayes, CFS/Suntech

LINUX:

Jeff Barnard, Barnard Software, Inc.
Rich Smrcina, VM Assist

Network Computing:

Steve Dunnavant, Cendant Timeshare
Hans Rempel, HMR Consultants

Performance:

Keith Kaszak, PSR, Inc.
Ken Meyer, CSI International
Gale Peterson, CSI International

Utilities and Languages:

Chris Sims, TxMQ Inc.

VSE Systems Control and Productivity:

Tony Thigpen, Thigpen Enterprises, Inc.

VM:

Jeff Kennedy, Certco Inc.
Pam Lovely, Skyline Corp.
David May

Staff:

Pete Clark, CPR Systems
Bennie Pugh, CPR Systems
Charlie Rice, Carolina Steel
Kathy Clark, WAVV Volunteer
Midge Pugh, WAVV Volunteer
Judy Rice, WAVV Volunteer

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Friday April 7, 2006

Attendee Registration

02:00 PM – 9:00 PM

Registration

Room 8, Convention Center

Marriott East & West

06:00 PM – 6:45 PM

WAVV Committee

All WAVV Committee Members please attend.

Marriott Plaza A, B, & C

07:00 PM – 11:00 PM

Splash

Special People Love a Special Happening.

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH. The right way to begin WAVV.

Saturday April 8, 2006

Attendee Registration

07:30 AM – 7:00 PM

Registration

Room 8, Convention Center

Saturday 8:00 AM

U1 **Opening Session**

Moderators: Pete Clark and Charles Rice

WAVV 2006 opening session. Introductions of projects and WAVV committee members followed by WAVV announcements. Helpful information for both old and new attendees and a chance to renew old friendships. Do not miss the first session of 2006.

Saturday 9:00 AM

U1 **IBM Update**

Moderators: Pete Clark and Charles Rice

Speakers: Jerry Johnston, Alan Altmark, Dr. Klaus Goebel, and Mike Augustine – all from IBM

A brief update on what's new with z/VSE, z/VM, Linux on the mainframe, and IBM System z servers and related hardware in the year since the last WAVV.

Saturday 10:30 AM

U1 **The Mainframe in 2006: Where Are We, and Where Are We Going?** Moderator: Eric Vaughan

Speakers: Eric Vaughan, illustro Systems and Dr. Karl-Heinz Strassemeyer, IBM

This perennially popular session will open with a look at the standing of the mainframe in the marketplace, both in terms of the business and technical merits. Following the opening, Dr. Karl-Heinz Strassemeyer, IBM Distinguished Engineer, mainframe architect and the well respected “Father” of Linux on zSeries, will share some insights into current engineering projects at the IBM mainframe laboratories, and where these projects may take us in the future. This session often offers glimpses of

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

industry technologies that end up in tangible products which influence the mainframe community, so you won't want to miss this one.

Session handouts will be available at www.illustro.com/conferences.

U2 **Shop zSeries** Moderator: Tony Thigpen
Speaker: Ingo Franzki, IBM

This session will provide an overview of ShopzSeries. See how ShopzSeries can be used to order IBM products and service (PTFs) for 'e-delivery' (internet download), on CD-ROM, or on tape cartridges. The presentation illustrates how to place orders as well as download products and service ordered. It also explains what to do with the delivered images or PTFs in order to install them on VSE.

U3 **z/VM TCP/IP Update** Moderator: Dave May
Speaker: Alan Altmark, IBM

This session provides an in-depth look at the most recent changes in the TCP/IP component of z/VM.

U4 **Run Your Legacy VM and VSE Applications on DB2 for z/Linux** Moderator: Rich Smrcina
Speaker: Frank C. Fillmore, Jr. is founder and principal of The Fillmore Group

Many VSE and VM shops have thousands of legacy programs comprising years of tested and reliable business logic. Data might be locked up in VSE/VSAM files. Or it might be stored in DB2 Server for VSE&VM which has limited features and functionality. Learn how to store your enterprise data in DB2 Universal Database on z/Linux, but continue to run your legacy applications without modifications. Build new web-friendly applications while preserving your investment in existing programming.

Saturday 11:45 AM

U1 **VSE Trends and Directions** Moderator: Tony Thigpen
Speaker: Jerry Johnston, IBM

This session includes a brief overview of recent VSE and VSE-related landmarks, plus the status of z/VSE V3. Jerry will review IBM's strategy as well as discuss possible directions for z/VSE.

U2 **.Net Programming Examples with VSE** Moderator: John Lawson
Speaker: Chuck Arney, illustro Systems

If you are interested in writing Windows applications that talk to your VSE system over TCP/IP, come to this session.

This technical session will demonstrate how to use the Microsoft .Net framework to create Windows applications using the .NET Socket interface to communicate with a VSE server. Examples are also presented on using the .NET pluggable protocols interface to communicate with VSE via XML and the HTTP protocol. Sample program code will be demonstrated using a live VSE system.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Speaker: Alan Altmark, IBM

This session will bring you up to date on IBM's latest z/VM offering, z/VM Version 5 Release 2. We will discuss what's hot and what's not. You'll get an overview of some of the z/functions presented in various sessions throughout the conference. You'll also find out how z/VM Version 5 is priced differently than z/VM Version 4, offering even more cost savings for current z/VM customers and making it easy to deploy Linux with z/VM on your IBM System z processor complexes.

U4 **How to Generate Web Services in CICS using CICS2WS**

Speaker: Ingo Franzki, IBM

Moderator: Karl DeVore

The CICS2WS Toolkit is a 'no charge' development tool that helps you exploit open, industry standard web services with your existing CICS programs. The tool reads WSDL files and Copybooks, then creates proxy code that functions as a layer between your existing programs and the VSE SOAP engine. The proxy code is generated as an Assembler program. The CICS2WS tool can create proxy code that allows your VSE system to act both as a WebService provider (server) and as a WebService requestor (client).

V1 **Mainframe Tape Encryption At A Leading U.S. Bank:**

Fast, Efficient and Ready for Prime Time— A Success Story

Speaker: Scott James, Luminex Software

Learn how to protect your Mainframe tape data with a single, enterprise-wide encryption and key management solution with zero MIPS impact on your mainframe! Luminex's Data|WARE Channel Gateway mainframe tape encryption solution was successfully implemented at a leading U.S. banking institution. We will discuss the mainframe encryption product evaluation process, selection and performance test results for pre-encryption and post-encryption backup and recovery. The DW Channel Gateway, available for immediate installation, streams data at channel speed between mainframe channels and the Fibre Channel fabric. Now mainframe users can take advantage of industry-standard, cost-effective Fibre Channel tape drives for production and off-site data storage, with complete data security. When used with a leading tape encryption appliance, the DW Channel Gateway provides military grade encryption and state-of-the-art key management on an enterprise-wide basis, vastly simplifying data security management.

Saturday 3:00 PM

U1 **z/VSE Performance Update**

Speaker: Ingo Franzki, IBM

Moderator: Ken Meyer

This session will share the latest on z/VSE V3 performance. Hear information that may be useful in managing your own overall performance, including distributed environments. For example, how does z/VSE V3 compare with prior versions/releases of VSE. What are the performance implications of VSE/Linux mainframe environments? What about SCSI?

U2 **The HTTP Protocol**

Speaker: Chuck Arney, illustro Systems

Moderator: John Lawson

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 4

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Have you ever seen a web page? Then you are a user of the HTTP protocol.

We all know how to type [HTTP://](#) in the browser address box, but what does that really mean? If you want to know more about the technical details of what goes on behind those browser windows and how this protocol is used as a transport for our data, you will find it here. This will be a technical presentation enjoyed more by geeks than their managers. The HTTP protocol, request formats and response formats will be discussed as well as uses for this TCP/IP protocol, including the future of the web as we know it.

Session handouts will be available at www.illustro.com/conferences.

U3 **A Beginner's Guide to Measuring and Understanding z/VM Guest Performance**

Speaker: Chuck Morse, IBM

Moderator: Dave May

Whether performance is good or bad, it is important that installations running Linux under z/VM understand the key factors that influence the performance of guests on a z/VM System. This presentation will look at the key resources (storage, processor and I/O) and illustrate, using the Performance Toolkit for VM, how to identify when these resources are over committed. Options for reducing contention for these resources will also be discussed.

U4 **VSE gets connected with zSeries**

Speaker: Steve Gracin, IBM

Moderator: Tony Thigpen

Moving to the latest release a VSE on an IBM System z server, what are my connectivity options? Steve will look at VSE enhancements at the VSE/ESA 2.7 level and beyond that allow VSE to make use of the latest IBM System z hardware connectivity options, as well as connect with z/VM and Linux on IBM System z. This session will cover the software and hardware planning required to take advantage of Virtual LANs, HiperSockets adapters, and OSA-Express cards to integrate z/VSE, z/VM and Linux.

V1 **SOA Performance and Architecture Considerations for CICS**

Vaughan Raesch, Sr. Sales Engineer, Seagull Software

There is no 'one size fits all' solution for transforming your mainframe into a service-oriented architecture (SOA). This session takes an in-depth look at various architecture options available to transform CICS applications into services.

Industry accepted best practices and integration techniques are covered to provide guidance on integrating and transforming VSE/zVM CICS into an SOA. Furthermore, we take a close look at some of the key CICS APIs, along with various connectivity options in respect to performance, and analyze the results.

Customer case studies are cited where we will walk through each customer business problem and discuss the decision process involved in choosing each of the architectures along with specific techniques that were used and their associated performance numbers.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Saturday 4:15 PM

U1 **CSI TCP/IP Update**

Speaker: Ed Franks, CSI

Moderator: Steve Dunnavant

The long-awaited service level E for TCP/IP for VSE 1.5 is finally here! Really. This session will address some of the many new features and functions now included with the product. Areas of interest include: increased security, customization of logging and console display, reduction of "large system effect", a new and improved FTP Daemon, additional email functionality, added PDF conversion capabilities, and an improved connection manager for faster and more reliable connections. The first fifty people in the door will get a cookie.

U2 **Rexx Programming**

Speaker: Charles Rice, Carolina Steel

Moderator: Charles Rice

Been wanting to code up some valuable and useful REXX programs, but do not know how? This session will in one short hour give you the guidance and examples to begin producing REXX programs that will benefit your installation. REXX is the system programmers best friend, come and get the knowledge to make use of it.

U3 **z/VSE Hardware Support**

Speaker: Ingolf Salm, IBM

Moderator: Aubrey Hayes

One of the major line items in z/VSE 3.1 is the support of SCSI disk devices. Ingolf will discuss VSE's implementation in detail and provide information on z/VSE configurations and commands.

U4 **What's New with Linux on the Mainframe?**

Speaker: Dr. Klaus Goebel, IBM

Moderator: Rich Smrcina

Hear the latest on Linux on IBM System z9 and zSeries, the status of Linux kernel 2.6 distributions and on applications and solutions like WebSphere, Lotus Domino, DB2 UDB, Oracle, SAP, Tivoli and more. Things are changing fast as IBM expands its commitment to Linux. This session will provide an brief overview of new products and services for Linux on the mainframe, including the latest on our distribution partners Red Hat and Novell.

V1 **FLEX-ES + More**

Fundamental Software announces several new product and service offerings.

Building on the widely successful installed base of production and development mainframe platforms, FSI launches the following new products: FLEXCUB (Control Unit Behavior) providing connectivity to conventional mainframes via ESCON channels allowing the attachment of server-based virtualized DASD, tape, printers, and consoles. With FSI's satellite earth station equipped with high bandwidth fibre connections, FSI announces the capability to provide "Accessible Remote Storage", D/R Solutions, and Remote Hosting for existing FSI customers and traditional mainframe installations. Learn how these

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

innovative I/O products can provide an economical solution to more costly options available in the mainframe market place.

Saturday 5:30 PM

U1 **What Mother Never told you about FTP on VSE** Moderator: Steve Dunnivant
Speaker: Don Stoeber, CSI International

Your dear sweet mother may have neglected to tell you all the facts of life related to using FTP as a client and server on a VSE system, and some of the internals of how it all works, so come join Don and get an education into what dear old Mom forgot to tell you...

U2 **Customizing CICS/TS with TRUEs (Task-related user exits)** Moderator: Karl DeVore
Speaker: Martin Truebner, Pi-Systemprogrammierungs-GmbH

As a sequel to Martin's WAVV 2004 presentation on GLUEs (Global User exits), this session will be dedicated to a discussion on TRUEs (Task-related user exits). Using a TRUE, enables you to write a user exit program that is associated with a specified event in a Tasks life, rather than with every occurrence of a particular event in CICS. TRUEs can be used to access non-CICS resources.

Martin will demonstrate with a running sample how to create your own cleanup-program. This cleanup-program functions independently from the program, regardless of whether or not it is a vendor or RYO (Roll your own) application, with no language or application function dependencies. This cleanup-program can also be easily modified to serve as a data collector (after transaction-activity), or a data reparer (before transaction-activity).

U3 **NJE PNET/RSCS for Dummies** Moderator: Jeff Barnard
Speaker: Jeffrey Barnard

Jeff Barnard will discuss how to set up an NJE POWER PNET/VM RSCS network using TCP/IP. The presentation will use real world examples you can use to setup your own NJE network.

V1 **z/VSE Connector Birds-of-a-Feather**
Wilhelm Mild and Ingo Franzki, IBM

This is an open discussion with the IBM Boeblingen VSE team. There will be no prepared presentation. Please bring your own questions and ideas. The team will answer your questions on connector capabilities, alternatives, appropriate strategies, how to get started, etc.

Marriott Plaza A, B, & C

07:00 PM – 11:00 PM *Splash*

Special People Love a Special Happening.

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Sunday April 9, 2006

Attendee Registration

07:30 AM – 5:00 PM

Registration

Room 8, Convention Center

Sunday 7:00 AM

V1 **Prayer and Praise**

A special non-denominational celebration on Sunday morning.

Sunday 8:00 AM

U1 **Fundamentals of Data Encryption:**

Moderator: Billy Bingham

Speaker: Don Stoeber, CSI

SOX, HIPAA, VISA-CISP and other mandated privacy related acts are requiring that data be encrypted. This session will discuss the basics of data encryption. There will also be a short discussion on three products that can help you as you encrypt your data: Dr Crypto from CSI, Dino-Protect from TEI, and z/Encrypt from Illustro Systems.

U2 **LE Migration and COBOL Migration**

Moderator: Chris Sims

User Panel

We know we have to get to the world of LE, but how do you get there? Come listen to those who have already made the journey. This will be a panel discussion talking about system considerations and programming changes.

U3 **Introduction to z/VM TCP/IP**

Moderator: Dave May

Speaker: Miguel Diaz, IBM

This session is a gentle introduction to VM TCP/IP. We discuss basic TCP/IP architecture, the structure and functions of z/VM TCP/IP, and the important configuration files; everything you need to start using z/VM TCP/IP. The most common z/VM connectivity options are discussed in detail, including IBM's Open Systems Adapter.

U4 **Communication Controller for Linux (CCL) on zSeries: An Introduction**

Speaker: Alfred B. Christensen, IBM

Moderator: Jeff Barnard

The new Communication Controller for Linux (CCL) on zSeries program product allows you to continue using selected NCP functions, but without using the IBM 3745/46 hardware platform. CCL is a program product that emulates the IBM 3745 hardware so that the NCP can run on top of CCL in a Linux environment on IBM System z hardware. This session will introduce the CCL technology, its characteristics, and its limitations.

V1 **Migrating from VSE to z/OS - The Mass Conversion Approach**

Speaker: Patrick Fournier, Convtek

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 8

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Unlike a progressive conversion in which VSE application kernels are migrated one at a time to the z/OS target environment, a mass conversion results in a single weekend switchover of the entire VSE application portfolio to z/OS operations. With this approach, there is no dealing with the division of application portfolios over dual production environments, and there is no need to freeze, track, or duplicate VSE application changes applied during the conversion. In addition, the high degree of automation yields deliverables of reliable quality, shorter timeframes, and lower labor requirements.

Sunday 9:15 AM

U1 **z/VSE Connectors Part 2: Options for integrating CICS and your network**

Speaker: Wilhelm Mild, IBM

Moderator: Steve Dunnivant

Learn how to implement modern business solutions that access and interact with your proven, cost-effective, core CICS applications. z/VSE can take part in modern, open solutions based on XML data interchange and Web services open standards. Learn how to take advantage of modern functions available with z/VSE and CICS Transaction Server for VSE/ESA. Learn how these options can help create global solutions and integrated processes that leverage z/VSE and CICS TS for VSE/ESA.

U2 **TCPIP Performance for VSE – CSI**

Speaker: John Rankin, CSI

Moderator: Ken Meyer

IBM provides TCP/IP for zOS, zVM, Linux and VSE/ESA. Although each offering from IBM provides a variety of complex features, TCP/IP on VSE/ESA encapsulates the widest range of options, features and controls specifically designed for the environment within which it runs.

U3 **z/VM Performance Update**

Speaker: Bill Bitner, IBM

Moderator: Dave May

The speaker will cover new developments in VM Performance. Topics include the latest z/VM releases and performance-related service. We will also look at some performance development in the area of Linux guest support. He will describe the performance changes associated with the z/VM V4.3 including regression environments, scenarios with greater than 2 gigabytes of real storage, Secure Socket Layer support, and QDIO gigabit Ethernet measurements.

U4 **IBM Middleware for Linux on IBM System z**

Speaker: Ingolf Salm, IBM

Moderator: Jeff Barnard

IBM makes a wide range of state-of-the-art middleware available for Linux, including the WebSphere, DB2 UDB, Lotus, and Tivoli families, and more. Hear Ingolf's overview of key IBM middleware available on Linux on the mainframe. He will share his views on how middleware can help you to leverage your investment in z/VSE as well as enhance your overall IT environment.

V1 **Mainframe 2.0 – The Future of Interacting with the Mainframe**

Speaker: Eric Vaughan, illustro Systems International

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 9

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Whether a mainframe or a PC, computers just process information. The human experience with the computer, i.e. the interface, is what determines the usefulness and acceptability of a computer system in the long run. For all of us supporting and enhancing mainframe environments, this should be an important issue, as the primary interface to the computer is 30+ years old.

Come see how the next generation of Mainframe interactions, a/k/a “Mainframe 2.0” will allow users to interact in a rich application environment, directly from the Web, using the emerging AJAX technology. Imagine a desktop application interface (think drag and drop, right-mouse-click-context-sensitive menus, and dynamic updates) running directly in a Web browser, and interfacing with your mainframe applications, even capable of sending data across platforms using XML.

No need to imagine! Come see it demonstrated live, including a Web-based drag-and-droppable implementation of the VSE IUI! Leave with information to take back to your shop that may be the difference between here today, and gone tomorrow for your mainframe.

Session handouts will be available at www.illustro.com/conferences.

V2 LRS - "Output Management for VSE Applications"

Speaker: Matthew Moore and Ike Hentrel, LRS

The VPSX solution provides guaranteed delivery of business-critical application output. This robust, scalable print server leverages industry standards for document encryption, network device management and application integration. Don't settle for the basic local and SNA printing built into VSE or offloading your print to yet another hardware/software platform - See what VPSX can do for you!

Sunday 10:30 AM

U1 z/VSE Connectors Part 1: Overview

Moderator: Steve Dunnivant

Speaker: Wilhelm Mild, IBM

Easy access to VSE resources from remote platforms, standard interfaces and the integration of VSE processes in modern distributed environments has been a primary focus of VSE development. With z/VSE V3.1, connector technology continues to evolve and mature. z/VSE can participate in a Software Oriented Architecture (SOA) and the VSE Health Checker can help in system management and tuning the Connectors. Incremental data transfer, MQ Series enablement, and VSAM to DB2 UDB on Linux synchronization are some of the major functions that can be used to leverage and modernize your core z/VSE applications.

U2 CICS/TS Problem Determination - insights from CICS Level 2 Support – Part 1

Speaker: Bob Sodan, IBM

Moderator: Karl DeVore

Do you have CICS/TS questions? Are you seeking more in depth information on debugging CICS/TS problems? In this two part presentation, Bob Sodan from IBM CICS Level 2 Support will be providing detailed information on CICS domain structure and key domain usage and flows. He will also provide information on known problem areas, trace settings and debugging steps for each of these areas. Topics

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 10

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

to be included but not limited to are Storage Violations, Hangs, Loops, Abends and Waits. Additionally, you will learn about DFHPD410 dump formatter and CICS Level 2 recommended domain and trace selections for the various types of problems. Do not pass up this opportunity to take advantage of Bob's expertise! Part two of this presentation will follow immediately in the next session at 11:45.

U3 **Disaster Recovery Hardware/Site Acquisition** Moderator: Archie Harris
Open Discussion

We will have an open discussion on what to look for in choosing a DR site and user experiences in choosing a DR site.

U4 **Communication Controller for Linux (CCL) on zSeries: How to Implement**
Speaker: Alfred B. Christensen, IBM Moderator: Jeff Barnard

This session will discuss how to plan for a migration a migration of your NCP to the IBM Communication Controller for Linux on IBM System z technology. The session will explore topics such as:

- How to determine if CCL can be used for all existing IBM 3745/46 workload or if parts of that workload needs to remain on IBM 3745/46 hardware
- CCL zSeries hardware requirements - OSA ports, CPU capacity, memory, etc.
- CCL serial line connectivity - aggregation layer router
- Selected CCL implementation scenarios for SNI and Boundary Function workload
- A suggested set of migration activities

V1 **"TEI, Helping You Protect Your Data"**
Speaker: Tony Thigpen, TEI

Over the years, TEI has been leading the way with easy to use VSE encryption products. While others were just talking about HIPPA, SOX and VISA-CISP, TEI was delivering the tools needed to address the issues. In 2004, TEI helped you protect your reports with VSE2PDF/Secure. In 2005, TEI introduced Dino-Protect, an easy to use programmer tool to encrypt individual data fields within existing files without changing the field lengths. In late 2005, TEI introduced automatic encryption of your IDCAMS BACKUP/RESTORE tapes as a new integrated feature of Dino-Protect. Now, in 2006, TEI responds to your data protection needs by expanding the Dino-Protect product to include centrally managed automatic encryption of your VSAM, SAM, or Tape datasets.

V2 **Cornerstone**

Sunday 11:45 AM

U1 **Sarbanes Oxley, HIPAA and Privacy 101** Moderator: Eric Vaughan
Speaker: Eric Vaughan, illustro Systems

As information has become omnipresent and easily accessible, the opportunity for compromise has increased exponentially. There are also extensive regulations and "best practices" on chain of command, change control and other procedures dramatically affecting the data center. This session will provide a

U1 – Meeting Room 6
U2 – Meeting Room 5

U3 – Meeting Room 4
U4 – Meeting Room 7

V1 – Meeting Room 3
V2 – Meeting Room 2

WAVV 2006
Page 11

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

primer on Sarbanes-Oxley and HIPAA requirements affecting today's z/VSE shop, and a discussion of the privacy issues and some potential techniques to ensure the mainframe remains the most secure, reliable platform in the business.

Session handouts will be available at www.illustro.com/conferences.

- U2 **CICS/TS Problem Determination - insights from CICS Level 2 Support - Part 2**
Speaker: Bob Sodan, IBM Moderator: Karl DeVore

This is part two, of a two-part session which began at 10:30. See that abstract for more details on session content. Even if you were unable to attend Part 1 due to a conflict, feel free to attend Part 2 as Bob's presentations contain a wealth of information.

- U3 **RACF/VM: Protect your z/VM system from vandals and other cyberspace miscreants**
Speaker: Alan Altmark, IBM Moderator: Dave May

Security isn't free. It requires a plan, a product, and will to implement both. Come to this presentation to hear about IBM's Resource Access Control Facility for z/VM. You'll find out about "profiles", "classes" and other cool stuff. Find out how the RACF feature of z/VM will protect the data, the users, and the virtual servers on your z/VM system.

- U4 **Constructing a Linux Appliance Toolkit** Moderator: Jeff Barnard
Speaker: David Boyes - Sine Nomine Associates

This session describes some of the functions and gadgets that aid in the construction of specialized Linux appliances in z/VM virtual machines. The toolkit includes communications functions to interact with IUCV and CTC connections, spool integration, interacting with CMM and XIPFS to control resource utilization, logging management and other functions that aid and abet improving both Linux and CMS functionality.

- V1 **T3 Technologies**

- V2 **What's new from CSI**
Speakers: CSI Developers

This session will highlight new CSI products and new features of existing products including:
DataMiner - Tool for extracting, copying and reporting on VSAM and sequential data,
Dr Crypto - Encrypted backup system,
Entree - The transaction web server,
FAQS/Call - Allow access to two-way pagers and cell phones,
HFS - Hierarchical File System and
RAAD - Report distribution system.

We will also discuss new features in:
BIM-EPIC,

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

BIM-FAQS/ASO,
BIM-FAQS/PCS,
BIM-GSS and
Dr D.

Sunday 12:45 PM

Lunch in Vendor Room

Sunday 3:00 PM

U1 **BSI Update and TEI Update**

Moderator: Tony Thigpen

Speaker: Jeffrey Barnard and Tony Thigpen

Jeff Barnard will discuss the latest updates to TCP/IP-TOOLS and Tony Thigpen will update everyone on VSE2PDF.

U2 **CICS User Experiences and CICS Free-for-all**

Moderator: Karl DeVore

Open Forum, Speaker: Michael "Pete" Moore, Alabama Judicial Datacenter

Are you experiencing performance problems? Are you sure your CICS system is optimally configured? What knobs do you turn to make your CICS sing? We'll kick off this open forum by hearing what Mike Moore has done, and then... the sky will be the limit as we open up the floor to all! Got a question - or - performance suggestion? Jot it down or share it with the group. First come, first served - regardless of CICS flavor!

U3 **Introduction to the Total Storage DS6000**

Moderator: Dave May

Speaker: Steve Wilkins, IBM

This presentation brings you up to date on the IBM TotalStorage DS6000, an affordable storage solution specifically designed to help medium and large enterprises simplify their storage infrastructures, support business continuity, and optimize information lifecycle management. The DS6000 provides both SCSI and FICON attachment, enabling it to serve the needs of your z/OS, z/VSE, z/VM and Linux operating systems. Is a DS6000 in your future? Come and find out.

U4 **FLEX-ES Update**

Moderator: Aubrey Hayes

Speaker: Carl Ross, Fundamental Software

FLEX-ES from Fundamental Software Inc. is a plug compatible mainframe used worldwide by hundreds of VM and VSE production customers and software developers who develop mainframe products throughout the mainframe industry. The speaker will discuss the latest innovations from FSI, including the recently announced FLEX-ES Version 8 with 64-bit server processor support, encrypted FakeTape support in FLEX-ES V7, TN3287E support, fulfillment of WAVV requirements from 2005, and other topics concerning FSI's products since WAVV 2005.

V1 **Mainframe 2.0 – The Future of Interacting with the Mainframe**

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 13

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Speaker: Eric Vaughan, illustro Systems International

Whether a mainframe or a PC, computers just process information. The human experience with the computer, i.e. the interface, is what determines the usefulness and acceptability of a computer system in the long run. For all of us supporting and enhancing mainframe environments, this should be an important issue, as the primary interface to the computer is 30+ years old.

Come see how the next generation of Mainframe interactions, a/k/a “Mainframe 2.0” will allow users to interact in a rich application environment, directly from the Web, using the emerging AJAX technology. Imagine a desktop application interface (think drag and drop, right-mouse-click-context-sensitive menus, and dynamic updates) running directly in a Web browser, and interfacing with your mainframe applications, even capable of sending data across platforms using XML.

No need to imagine! Come see it demonstrated live, including a Web-based drag-and-droppable implementation of the VSE IUI! Leave with information to take back to your shop that may be the difference between here today, and gone tomorrow for your mainframe.

Session handouts will be available at www.illustro.com/conferences.

V2 **ZIP/VSE v4.x**
Data 21

A technical overview of features and enhancements in the area's of data compression (ZIP, GZIP, TAR), data encryption (ZIP KEYWORD, ZIP-AES 128, 192, 256 bit, PGP), data delivery (Email, FTP, high-speed transfer), data conversion (Adobe PDF, .CSV), Spooler interfacing and document viewing/archiving.

Sunday 4:15 PM

U1 **VSAM with Dan Janda Part 1**
Speaker: **Dan Janda, The Swami of VSAM**

Moderator: Ken Meyer

If you are a VSE or VM/VSE shop, over 80% of your data resides in VSAM. This includes DB2, DL/I, and a number of other databases and many system enhancements -- Libraries, print archives and (gasp!) your data too.

Catch Dan Janda's VSAM hints for some good ideas that you can often readily incorporate into your environment and improve your systems' performance.

Part two follows in the next session

U2 **COBOL Dump Reading**
Speaker: John Mycroft

Moderator: Chris Sims

Everybody loves a dump, especially of a COBOL program with all its strangely named control blocks and pointers. It's even more fun when, like the presenter, you've never written a serious line of COBOL

U1 – Meeting Room 6
U2 – Meeting Room 5

U3 – Meeting Room 4
U4 – Meeting Room 7

V1 – Meeting Room 3
V2 – Meeting Room 2

WAVV 2006
Page 14

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

in your life but, because you're a systems programmer, folks think you know how to read these things. This session seeks to de-mystify the COBOL dump a little by showing how to find which statement a program fell over on, what data it was working on and how it got to where it is. We'll look at some shortcuts for the terminally lazy such as how to avoid chasing register save area chains, how to work out the current values of indexes and subscripts as well as seeing if there is anything useful in the weird looking stuff at the end of the program listing.

U3 **z/VM Security and Integrity**
Speaker: Alan Altmark, IBM

Moderator: Dave May

Current z/VM customers are familiar with the isolation, security and integrity features that z/VM provides. However, many customers running Linux on IBM zSeries processors for the first time are new to the world of virtualization and seek reassurance not only that multiple Linux servers can share hardware resources efficiently and scalability but also comply with organizational IT security mandates. This presentation is an overview of the security and integrity characteristics of the z/VM operating system on IBM System z servers. We'll also discuss z/VM's recent certification to the internationally recognized Common Criteria security standards.

U4 **Linux for S/390 System Management for the Mainframe System Programmer - Part 1**
Speaker: Mark Post, EDS

Moderator: Rich Smrcina

More and more, mainframe systems programmers are being asked to install and manage Linux/390. They have years of experience in installing and managing 'traditional' IBM mainframe operating systems such as MVS and VM, but they don't know where to start with Linux for S/390. Installation is covered by other sessions, so this one will concentrate instead on 'translating' typical system management tasks to the Linux for S/390 environment by comparing and contrasting the familiar with the new.

V1 **NJE for Everyone (Barnard Software)**
Speaker: Jeffrey Barnard

Jeff Barnard will expand his discussion of NJE PNET/RSCS for Dummies to include NJE/IP Bridge and how to bring any platform into an NJE network.

V2 T3 Technologies

Sunday 5:30 PM

U1 **VSAM with Dan Janda Part 2**
Speaker: Dan Janda, The Swami of VSAM

Moderator: Ken Meyer

This is part two of a two-part session. The first part began at 4:15. See the abstract there for details.

U1 – Meeting Room 6
U2 – Meeting Room 5

U3 – Meeting Room 4
U4 – Meeting Room 7

V1 – Meeting Room 3
V2 – Meeting Room 2

WAVV 2006
Page 15

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

The first part of this session is NOT a prerequisite for the second part. Feel free to come to part 2 even if you missed part 1 due to a conflict.

U2 **SOAP for VSE Programming How to** Moderator: Rich Smrcina
Speaker: Rich Smrcina, VM Assist

VSE can act as a Web Service provider and it can also be a consumer of Web Services. We will turn an existing VSE application running under CICS into a web service. We will also demonstrate how a number of different languages (Java, PHP and C#) can use a web service provided by VSE.

U3 **Installation and Configuration of the Performance Toolkit for z/VM V5.2**
Speaker: Chuck Morse, IBM Moderator: Dave May

Do you want to get started with the Performance Toolkit for VM and don't have the time to wade through the 1000 page manual? This session will provide a quick guide to setting up the Performance Toolkit for basic performance monitoring.

U4 **Linux for S/390 System Management for the Mainframe System Programmer - Part 2**
Speaker: Mark Post, EDS Moderator: Jeff Barnard

See Part 1 at 3:00

V1 **z/VSE Birds-of- a-Feather**

This is an open discussion with the IBM Boeblingen VSE team. There will be no prepared presentation. Please bring your own questions and thoughts on the present, future, directions, priorities, concerns, etc. Let us know what we're doing right as well as what we're doing wrong. Both compliments and criticism will be accepted. This is your session.

V2 **VIRTUAL TAPE APPLIANCE (VTA)**

Universal's Virtual Tape Appliance (VTA) is a virtual tape controller that emulates mainframe tape drives on any open storage device via an ESCON or Bus & Tag channel connection to the mainframe. The VTA is compatible with VSE, VM, z/OS and OS/390 and provides the ability to read and write tape data sets to a NAS, SAN or RAID device with absolutely no user program changes. The VTA includes extensive interfaces for tape manager products (EPIC, Dynam-t, CA1, and others) and also operates without a tape manager to provide completely unattended tape operations. The VTA provides advanced Disaster/Recovery capabilities and ensures fast, reliable and secure backups at channel speed.

Use of the VTA results in the reduction of tape drives, cartridges, racks and the floor space that they occupy.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Sunday 7:00 PM – 11:00 PM

Splash & Exhibits

Exhibit Hall

Special People Love a Special Happening. Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

Monday April 10, 2006

Attendee Registration

07:30 AM – 5:00 PM

Registration

Room 8, Convention Center

Monday 8:00 AM

U1 **VSE Health Checker**

Speaker: Ingo Franzki, IBM

Moderator: Tony Thigpen

The innovative VSE Health Checker is a java-based system diagnosis tool. It collects relevant data from your VSE system, displays the data, and analyses it based on rules. The health checker uses only VSE base functions such as console commands, jobs, CICS transactions, and members to collect the data. The presentation includes a live demo of the VSE Health Checker tool, and shows you how to adapt this new diagnosis tool and its rules to get the best out of your VSE system.

U2 **Introduction to Assembler Part 2**

Speaker: Pete Clark, CPR Systems

Moderator: Pete Clark

This session is a continuation of the WAVV 2005 Introduction to Assembler. We will concentrate on more basic concepts, more basic instructions and the most used macros, I/O, DTF and general purpose. If you are interested in how to write and read Assembler programming code, this is the session for you.

If you were unable to attend the Intro to Assembler, please review that session's handout as it contains concepts that are used in this session.

Note: Intro to Assembler part 3 is scheduled later in the conference.

U3 **z/VM Simplified Network Configuration**

Speaker: Miguel Diaz, IBM

Moderator: Dave May

This session provides a detailed look at the z/VM TCP/IP configuration tools introduced in z/VM V4.3. We will discuss the IP Configuration Wizard that simplifies initial network configuration, as well as the dynamic interface configuration command, ifconfig.

U4 **Printing with CUPS**

Speaker - David Boyes, Since Nomine Associates

Moderator: Rich Smrcina

The Common Unix Printing System is now the de-facto printing subsystems with most of the major Linux distribution, but its use and configuration are still a mystery to new and old Linux users alike. This session will lift the veil of secrecy and show you how to set up print servers with CUPS, do queue management, form definitions, printer descriptions, and much, much more...

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 17

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Monday 9:15 AM

U1 **Development possibilities for VSE**
Speaker: Wilhelm Mild, IBM

Moderator: Chris Sims

Modern development tools increase productivity and lower error rate but what about the possibility to develop applications for VSE. The possible methods and tools that can be used will be shown in this presentation. What about developing based on a good application design and a generation tool. You'll be surprised about what's possible.

U2 **CICS TS RDO Hints and Tips**
Speaker: John Lawson, illustro Systems International

Moderator: Karl DeVore

For those of you that just can't let go of your macro tables or don't think you like CICS Resource Definition Online (RDO) or for anyone who just needs a refresher on RDO, this is the session for you. Our speaker will cover the basics of CICS RDO and provide examples of online definitions as well as batch definitions in case you don't like the online RDO panels. You will also learn several tips and techniques to make RDO easier along with enhancements available in CICS TS.

Session handouts will be available at www.illustro.com/conferences.

U3 **z/VM Guest LANs and the z/VM Virtual Switch**
Speaker: Alan Altmark, IBM

Moderator: Dave May

Did you know that you can create virtual LAN segments that connect your z/VM guests together without the need for all those messy point-to-point connections? And did you know you can do that without creating new subnets? Come to this session to hear the latest on how, and when, to use z/VM Guest LANs and the z/VM Virtual Switch. We'll also talk about z/VM's support for IEEE Virtual LANs (VLANs) and ways to monitor guest traffic.

U4 **Network Performance Bottlenecks**
Speaker: Jeffrey Barnard

Moderator: Jeff Barnard

Jeff Barnard will discuss the basics of Network performance with an eye for bottlenecks. What are the major network bottlenecks and what can you do about them?

V1 **Cornerstone**

V2 **Creating a web site on VSE using Entree and HFS**
Speaker: Tim Kessler, CSI International

This session will demonstrate how easy it is to create a web site on VSE using Entree and the Hierarchical File System (HFS).

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Monday 10:30 AM

U1 **ZVSE User Experience**
Speaker: User Panel

Moderator: Tony Thigpen

A round table discussion for those that have installed or are planning on installing z/VSE.

U2 **VSE Security Concepts**
Speaker: Ingo Franzki, IBM

Moderator: Billy Bingham

This session provides an overview of the security concepts of z/VSE. It includes CICS security, batch security, plus connector and network security. It will cover the standard RACROUTE interface, as well as VSE security concepts (like single signon) in an open and heterogeneous world where z/VSE may be connected to anyone and everyone. It will cover the new security functions included in z/VSE V3.1.1. In addition, this session will describe current z/VSE support for IBM System z features including Crypto Express2 and CP Assist for Cryptographic Function (CPACF).

U3 **POWER What's new since VSE2.5**
Speaker: Steve Gracin, IBM

Moderator: Pete Clark

Internally POWER has new features that make it a more flexible and robust spooler. TCP/IP and SSL for Power Networking. New and changed commands for viewing the queues, the ability to increase Queue and also Data file during a warm start. See what the addition of a DEL queue and a CRE queue have done for zVSE/POWER.

U4 **Network Services Monitoring with Linux for zSeries**
Speaker: Rich Smrcina, VM Assist

Moderator: Rich Smrcina

The corporate FTP server has gone down, an internal web server isn't available, access to a remote site is failing. How do you know that these incidents occur, except when the phone starts ringing? These could be critical systems for the enterprise and you need to know when they are down.

This session will discuss the Hobbit network services monitor. Hobbit is an open source application and can watch systems and the services running on them and can show you or alert you when they are down. The installation, configuration and reporting of Hobbit will be shown, including how Hobbit interfaces with zSeries operating systems. A live demonstration will also be available.

V1 **Data Protection and Encryption Products from BSI**
Speaker: Jeffrey Barnard, Tony Thigpen

Jeff and Tony will overview the data protection and encryption products available from BSI. These products include VSE2PDF/Secure, Dino-Protect, TCP/IP-TOOLS File Encryption and much more. New products and features will be reviewed in this session.

V2 **HostBridge: Complete CICS Integration with NO Screen Scraping (now including native CA-Ideal® support)**

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 19

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

This session overviews HostBridge, mainframe software to integrate CICS transactions and data with other applications - whether these 'other' applications are server-based, web-based, or other CICS applications. HostBridge XML-enables CICS applications without the need to change/rewrite the mainframe application and with NO screen scraping. HostBridge allows you to transform existing business systems into Web Services, integrate them with new business processes, or make them easily accessible to your partners' networks.

Also, hear about HostBridge's direct support of Advantage™ CA-Ideal® for CA-Datacom. This new facility allows web server applications to invoke CA-Ideal transactions and return data as XML documents or Web Services using field names from panel definitions rather than row/column coordinates from screen scraping.

Monday 11:45 AM

U1 **z/VSE Connectors Part 3: User experiences** Moderator: Steve Dunnivant
Speaker: Wilhelm Mild, IBM

Discover how customers with environments similar to yours have implemented modern, mixed, hybrid business solutions involving VSE and other platforms. This session will describe actual, real-life scenarios and the steps taken to create solutions that exploit data interchange in a distributed environment. Development tools and transparent data access methods allow integration of VSE processes into WebSphere architecture. Business Intelligence solutions and intelligent business architectures are working with DB2 on VSE and DB2 UDB on Linux on the same mainframe.

U2 **CICS Performance Tips/Tuning** Moderator: Karl DeVore
Speaker: John Lawson, illustro Systems International

How well is your CICS TS system running? Our speaker has a long history in conducting performance analysis and tuning of CICS TS systems on VSE. He has also taught education classes to VSE systems support people to help them tune their own CICS TS systems. Some of the topics to be presented in this session will include suggested system initialization parameters changes, and the implementation and usage of CICS statistics for performance measurement tuning. Bring your tuning issues for discussion and come hear the latest in performance tips and techniques.

Session handouts will be available at www.illustro.com/conferences.

U3 **Disaster Recovery Experience** Moderator: Charles Rice
Speaker: Charles Rice, Carolina Steel

In July 2004 Carolina Steel had a fire from a lightning strike that caused damage to the data center. Charles Rice will relive some of the first hand experiences of getting through a disaster of this nature. If you are involved with the disaster recovery plan for your company, this session will provide some insight to help with that plan.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

U4 **Linux on IBM System z9 and zSeries Performance Tuning Hints and Tips**

Speaker: Mario Held, IBM

Moderator: Jeff Barnard

This session is focused on tuning recommendations for Linux on zSeries. It covers recommendations not only limited to the Linux kernel but also for system setup, the gcc compiler or Java. It's based on frequently asked questions about Linux on zSeries performance.

V1 **Hardware Maintenance...The Future**

Mainframe Services

In the future end-users will be expected to perform more of their own hands-on maintenance. We will discuss option for hardware maintenance that are available today and will be SOP in the future.

Monday 12:45 PM **Lunch in Vendor Room**

Monday 3:00 PM

U1 **VSE Hot Topics,**

Speaker: John Lawson, illustro Systems International

Moderator: Ken Meyer

What are the "HOT" VSE Topics? When we say "hot", we mean the latest tips and techniques for improving performance and getting the most out of your VSE/ESA and z/VSE system. You will hear about some special tips to help performance on your system, commands to find out more about your system, some useful new functions in the latest releases of VSE/ESA and z/VSE that you may have missed, and more. p.s. Bring your own HOT tips to share!

Session handouts will be available at www.illustro.com/conferences.

U2 **CICS User Web experience**

Speaker: Robert Johnston, Western Reserve Group

Moderator: Karl DeVore

In this session, we'll explore what others have done to sustain the life of VSE through the use of the Web. Robert Johnston from the Western Reserve Group will present an updated overview of Web enabling at their VSE shop, with enhancements they have incorporated since the last WAVV conference.

U3 **z/VM Resource Manager**

Speaker: Bill Bitner, IBM

Moderator: Dave May

The Virtual Machine Resource Manager (VMRM), introduced with z/VM V4.3, provides functions to dynamically tune a z/VM system. This presentation discusses how the VMRM Service Virtual Machine can create a form of group scheduling by managing virtual machines into groups, or workloads, and how

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

performance parameters are adjusted when there is contention for certain system resources. Learn about what's new in z/VM V4.4. (announced May 13, 2003) and how you can use VMRM to help manage your z/VM system.

U4 **Automating Application Startup Under Linux** Moderator: Rich Smrcina
Speaker: David Boyes, Sine Nomine Associates

The creation of automatic startup scripts for applications on Linux is poorly documented and fraught with some peril in the early SUSE and RedHat releases. In this presentation, we'll go over what happens during Linux startup, the SysV init script structure that is used by most Linux distributions, and how to create scripts that can be safely integrated into the Linux startup process to start your applications at boot time. We'll look at automating and transforming some vendor-supplied startup processes for Oracle and DB/2, and providing a flexible framework for building easily configurable startup scripts for new applications.

V1 **eTrust CA-Top Secret Security for VSE Best Practices**
Speaker: Ron Solometo, Senior Consultant, CA

The eTrust CA-Top Secret Security for VSE Healthcheck is designed to assess if the CA-Top Secret for VSE technology is properly installed, configured, and operational according to the products published specifications in the your environment. The session is designed to provide customers with recommendations for improving the usage of CA-Top Secret Security for VSE and for maximizing the benefits of the software's features and functions.

Monday 4:15 PM

U1 **VSE Tuning and Performance Methodology Part 1** Moderator: Ken Meyer
Speakers: **Pete Clark, CPR Systems**
Dan Janda, The Swami of VSAM
Ken Meyer, CSI

Speakers, Pete Clark of CPR Systems , Dan Janda, VSAM Swami and Ken Meyer of CSI will individually share with audience their unique perspective on tuning methodology as it applies to VSE. Since the three guest speakers come from differing VSE backgrounds and experiences this session will probably raise as many questions as it does answers. Additionally attendees will be treated to a lively discussion among the presenters and the audience as differing opinions will certainly be an integral part of these 2 sessions.

3 very experienced people share their ideas about methodology -- sometimes we'll be pointing out low hanging fruit for you to pick -- sometimes we'll be showing you how to identify where your system bottleneck might be right now -- and other times we'll just tell you to change things after you make some measurements.

Back to Back Lively VSE discussion how can one top that.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

U2

U3 **Using SCSI Storage with z/VM**

Moderator: Dave May

Speaker: Steve Wilkins, IBM

Are you looking for low-cost storage alternatives for z/VM? At this presentation you will learn how to use Open storage with your z/VM system. Here you will learn how to configure CP to emulate FBA disks on top of SCSI storage and some of the new storage management skills you will need.

U4 **Replacing Windows Servers with Linux**

Moderator: Rich Smrcina

Mark Post, EDS

Many companies are looking to reduce costs and improve reliability. One way to accomplish this is to replace Microsoft Windows servers with Linux. This session will provide an overview of the Open Source software packages that can be used for that replacement. We won't get into detailed migration/configuration issues due to the amount of material to be covered. An indication of relative ease/difficulty will be provided.

V1 **Backup and Recovery for zSeries Linux**

Speaker: Brian Jagos, Senior Consultant, CA

Linux on the Mainframe presents unique challenges and opportunities. Backup and restore of the zSeries Linux environment is one of the areas that require integrated solutions to unify and simplify critical storage management tasks. This session will cover different backup options for zSeries workloads beginning with your first basic backup; disaster recovery options; file-system backups; and options for tape management.

Monday 5:30 PM

U1 **VSE Tuning and Performance Methodology Part 2**

Moderator: Ken Meyer

Speakers: **Pete Clark, CPR Systems**

Dan Janda, The Swami of VSAM

Ken Meyer, CSI

This is part two of a two-part session. The first part began at 4:15. See the abstract there for details.

U2 **EZA Sockets Programming Part 1**

Moderator: Tony Thigpen

Speaker: **Tony Thigpen, TEI**

An introduction to TCP/IP programming for the COBOL programmer. In part 1, we will define a "simple client" program and cover the basic TCP/IP programming calls used to write one.

U3 **Programming with JavaScript**

Moderator: Chris Sims

Speaker: Chuck Arney, illustro Systems

Have you ever seen a web page that made you say Hmmmmm, how did they do that?

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

This session will cover the basics of how to program in the JavaScript language. This interpreted programming language is used to add dynamic functionality to HTML web pages and to perform client-side processing. If you want to learn how to use client-side programming to spruce up your pages, attend this session. WARNING: The following session contains material that is graphically technical in nature.

Session handouts will be available at www.illustro.com/conferences.

U4 z/VSE Connectors Part 4: VSE access to remote databases

Speaker: Wilhelm Mild, IBM

Moderator: Steve Dunnavant

This session will cover options for interoperability between VSE and DB2 UDB. It will include user experiences and a sample setup for VSE, the application, and DB2 on VSE that allows access to DB2 UDB on Linux on IBM System z9 and zSeries. User measured performance showing differences between 'native' DB2 access and DB2 UDB on Linux on Multiprise 3000 and z890 mainframes will be included.

Marriott Plaza A, B, & C

Monday 07:00 PM – 11:00 PM

Splash

Special People Love a Special Happening.

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

Tuesday April 11, 2006

Tuesday 8:00 AM

U1 VSE Maintenance Procedures:

Speaker: Billy Bingham

Moderator: Billy Bingham

RSL, PSP, PTFs, APARs. With all these acronyms, what's a VSE Systems Programmer to do. Especially the "experience challenged" one. This session will discuss the various ways one shop applies maintenance to both IBM and 3rd Party Software products. We will also discuss the VSE ASI process.

U2 EZA Sockets Programming Part 2

Speaker: **Tony Thigpen, TEI**

Moderator: Tony Thigpen

As a continuation of the 8:00 session, we will discuss server types and cover the TCP/IP programming calls used to write a well-behaved server.

U3 Performance Toolkit for VM

Speaker: Bill Bitner, IBM

Moderator: Dave May

U1 – Meeting Room 6

U3 – Meeting Room 4

V1 – Meeting Room 3

WAVV 2006

U2 – Meeting Room 5

U4 – Meeting Room 7

V2 – Meeting Room 2

Page 24

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

This presentation about the Performance Toolkit for VM will give a general overview of the program's capabilities, and inform about the latest enhancements and plans. In 2003, IBM announced the Performance Toolkit for VM as a priced, optional feature of z/VM derived from the popular FCON/ESA program. The Performance Toolkit captures data from the z/VM MONITOR providing enhanced capabilities for a z/VM systems programmer, operator, or performance analyst to monitor and report real-time and historical performance statistics. If you're planning to migrate to z/VM Version 5, this presentation is for you as the RTM and PRF features available in older releases of z/VM are no longer available. Performance Toolkit for VM is the new performance tool that you will come to appreciate.

U4 **Advanced CUPS** Moderator: Rich Smrcina
Speaker - David Boyes, Since Nomine Associates

Once you've gotten CUPS running and configured to do Linux-based printing, how do you integrate it into your VM environment? This session takes up advanced CUPS topics such as high availability, conversion of print language formats, integration into CMS and CP printing regimes, and creating specialized print processors to handle creation of fax output and PDF files automatically.

Tuesday 9:15 AM

U1 **Wellness and VSE - how to improve the health of your VSE system**
Speaker: Gerhard Zierl, IBM Moderator: Tony Thigpen

Your operating system behaves like your body. If you take care of it while it still enjoys good health. It will reward you with lasting health, robustness, and strength - resulting in less downtime, unplanned outages, and unpleasant surprises. This session covers the concepts of preventive and corrective service, and how you can make the best use of them to develop a preventive maintenance strategy which works for your shop. The RSL (Recommended Service Level) concept will be covered in detail. Other relevant topics include how to get the most out of the IBM service structure, plus news and insights from the manager responsible for VSE service.

U2 **Introduction to Assembler Part 3** Moderator: Pete Clark
Speaker: Martin Truebner

This session will address more advance assembler concepts including: special purpose macros, specialized advanced instructions and techniques, z/Series and the concept of Architectural Level Sets (ALS) . This session builds on what was in the prior assembler sessions and is also a great session for persons who have some assembler experience.

U3 **SOA and Web 2.0 – Emerging Standards Opportunities for z/VSE Users**
Speaker: Eric Vaughan, illustro Systems Moderator: Eric Vaughan

Our fast paced industry has no shortage of new acronyms and technologies. Over the last 12-18 months, two new terms have become very prominent in many circles: Web 2.0 and SOA.

This session will explore and help define both—what does Web 2.0 mean, and what is a Service Oriented Architecture (SOA)? We'll discuss the concepts and the underlying technologies to help equip

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

the z/VSE and/or z/VM professional with the information needed to understand how to converse across platforms and across the table with the keepers of those other platforms.

Session handouts will be available at www.illustro.com/conferences.

- U4 **Never Say Never - Getting in to Linux on IBM System z** Moderator: Jeff Barnard
Speaker: Brian Grondin, Enterprise Modernization Leader, Mainline Information Systems

Feel like you're late into the Linux game on IBM System z? In this session by Mainline, we'll discuss some of your options in getting started with Linux on System z and help you understand what is involved without getting into all that painful technical detail. We'll further discuss the value of Linux on System z by showing how you can build an environment to support things ranging from server consolidation to new application workloads in a way that can not only help reduce your total cost of ownership, but provide you with the solutions needed to move your enterprise forward. Weather it's picking your first application, or finding ways to grow your existing Linux environment, we'll be ready to provide you with information that you will hopefully find useful as you look for ways to more fully exploit the power of the IBM System z platform.

Tuesday 10:30 AM

- U1 **WAVV Requirements Processing** Moderator: Karl DeVore

Change the future, become a force to be reckoned with, submit a requirement. Do not just sit there participate. The WAVV Requirement process is initiated by the user submission of a requirement. The requirement is reviewed by this session, discussed, voted on and then submitted to the product vendor. This has to be one of the more valuable sessions at WAVV.

WAVV accepts requirements against all products and vendors.

Tuesday 11:45 AM

- U1 **WAVV Free-for-All** Moderators: Pete Clark and Charles Rice

The final session for WAVV. It is fitting that it is the Free for All. Great questions and answers from knowledgeable users and vendors. This session will go until there are no more questions or answers.

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Notes

WAVV Agenda

Chattanooga TN

April 7 – April 11, 2006

Notes

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